

## **Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

### **Listing of Claims:**

1. (Currently Amended) Apparatus for controlling the delivery of air in a forced air distribution system having a source of air under pressure, at least one duct defining a common duct system to deliver the air and at least ~~one~~ two ports in the duct system, each port defining an air delivery zone, comprising:

a vent ~~[[means]]~~ unit associated with ~~the at least one~~ each port ~~[[and]]~~ movable between an open position to admit air to the zone and a closed position to block air from the zone;

an actuator ~~[[means]]~~ system for moving the vent ~~[[means]]~~ unit between the open and closed positions; and

a temperature ~~sensing means~~ sensor in ~~[[the]]~~ each air delivery zone in communication with the actuator ~~[[means]]~~ system to control operation of the actuator ~~[[means]]~~ system and the source of air under pressure.

2. (Currently Amended) Apparatus as claimed in claim 1 in which the actuator ~~[[means]]~~ system comprises a central control ~~[[means]]~~ system remote from the vent ~~[[means]]~~ unit and an actuator unit at the vent ~~[[means]]~~ unit in communication with the central control ~~[[means]]~~ system.

3. (Currently Amended) Apparatus as claimed in claim 2 including ~~means communicating a communication system for allowing the actuator unit to communicate with the central control means which extend system, the communication system extending through the at least one duct system.~~

4. (Currently Amended) Apparatus as claimed in claim 2 in which the vent ~~[[means]] unit~~ comprises:

a register unit insertable into ~~the at least one each~~ port; and

a valve ~~[[means]] unit~~ configurable to define the open and closed positions of the vent ~~[[means]] unit~~ to control the flow of air through the register unit.

5. (Currently Amended) Apparatus as claimed in claim 4 in which the register unit is removably insertable into ~~the at least one each~~ port.

6. (Currently Amended) Apparatus as claimed in claim 4 in which the actuator unit comprises an electric motor to manipulate the valve ~~[[means]] unit~~.

7. (Currently Amended) Apparatus as claimed in claim 6 in which the electric motor is reversible to configure the valve ~~[[means]] unit~~ between the open and closed positions.

8. (Currently Amended) Apparatus as claimed in claim 6 in which the electric motor is a one way unit to configure the valve ~~[[means]] unit~~ between one of the open and closed positions with a spring return to configure the valve ~~[[means]] unit~~ between the other of the open and closed positions.

9. (Currently Amended) Apparatus as claimed in claim 4 in which the actuator unit comprises a cylinder actuator to manipulate the valve ~~[[means]] unit~~.

10. (Currently Amended) Apparatus as claimed in claim 9 in which the cylinder actuator is a double acting cylinder to configure the valve unit between the open and closed positions.

11. (Currently Amended) Apparatus as claimed in claim 9 in which the cylinder actuator is a single acting cylinder to move the valve unit between one of the open and closed positions with a spring return to configure the valve unit between the other of the open and closed positions.

12. (Original) Apparatus as claimed in claim 9 in which the cylinder actuator is a pneumatic cylinder.

13. (Original) Apparatus as claimed in claim 9 in which the cylinder actuator is a hydraulic cylinder.

14. (Currently Amended) Apparatus as claimed in claim 4 in which the actuator unit comprises a solenoid actuator having a movable plunger to manipulate the valve unit.

15. (Original) Apparatus as claimed in claim 14 in which the solenoid actuator includes a ratchet mechanism to releasably lock the plunger in position.

16. (Original) Apparatus as claimed in claim 4 in which the actuator unit comprises a vacuum actuator.

17. (Currently Amended) Apparatus as claimed in claim 4 in which the valve unit comprises first and second sets of vanes defining openings between the vanes, the first and second sets being movable with respect to each other by the actuator

unit to align the openings to configure the vent ~~[[means]]~~ unit in the open position and to misalign the openings to configure the vent ~~[[means]]~~ unit in the closed position.

18. (Original) Apparatus as claimed in claim 17 in which the first set of vanes is fixed and the second set is movable.

19. (Currently Amended) Apparatus as claimed in claim 4 in which the valve ~~[[means]]~~ unit comprises at least one plate pivotally mounted to the register, the at least one plate being pivotable by the actuator unit between a first position to configure the vent ~~[[means]]~~ unit in the open position and a second position to configure the vent ~~[[means]]~~ unit in the closed position.

20. (Currently Amended) Apparatus as claimed in claim 19 including ~~sealing means~~ co-operating seals on the plate and register that engage when the plate is pivoted to the second position.

21. (Currently Amended) Apparatus as claimed in claim 1 including an over pressure valve installable in ~~the at least one~~ each duct.

22. (Currently Amended) Apparatus as claimed in claim 2 in which the temperature ~~sensing means~~ sensor comprises a thermostat for transmitting the temperature to the central control ~~[[means]]~~ system.

23. (Currently Amended) Apparatus as claimed in claim 22 in which the thermostat communicates with a wireless transmitter for transmitting the temperature to a wireless receiver at the central control ~~[[means]]~~ system.

24. (Currently Amended) Apparatus as claimed in claim 22 in which the thermostat communicates with the central control ~~[[means]]~~ system via electrical lines.

25. (Currently Amended) Apparatus as claimed in claim 2 in which the actuator unit comprises a vacuum actuator and the central control ~~[[means]]~~ system controls the vacuum actuator by a vacuum line extending through the ~~at least one duct~~ system.

26. (Currently Amended) Apparatus as claimed in claim 25 in which the central control ~~[[means]]~~ system includes:

a vacuum source;

a switch to connect the vacuum line to or disconnect the vacuum line from the source of vacuum to operate the vacuum actuator.

27. (Original) Apparatus as claimed in claim 26 in which the switch comprises a solenoid having a plunger movable between a position to block the vacuum line to disconnect the actuator from the vacuum source and a position to open the vacuum line to connect the actuator to the vacuum source.

28. (Original) Apparatus as claimed in claim 26 including an additional switch to connect the vacuum line to atmospheric pressure on disconnection of the line from the source of vacuum in order to restore pressure in the vacuum line.

29. (Original) Apparatus as claimed 26 in which the vacuum line is restored to atmospheric pressure by leakage.

30. (Currently Amended) Apparatus as claimed in claim 26 in which the central control ~~[[means]]~~ system controls a plurality of actuators via a manifold having a central passage connected to the vacuum source, a plurality of ports connected by vacuum lines to the plurality of actuators, and a switch associated with each port for

opening or closing the port for communication with the central passage to connect the vacuum line to the vacuum source.

31. (Original) Apparatus as claimed in claim 30 in which the switch comprise a solenoid which acts to open or close the port for communication of the vacuum line with the central passage and the vacuum source.

32. (Currently Amended) Apparatus for controlling the delivery of air in a forced air distribution system having a source of air under pressure, at least one duct defining a common duct system to deliver the air and at least ~~one port~~ two ports in the duct system, each defining an air delivery zone, comprising, in combination:

a register unit having a valve associated with ~~the at least one~~ each port, the valve being movable between an open position to admit air to the zone and a closed position to block air from the zone;

an actuator unit for moving the valve between the open and closed positions;

a central control system remote from the register unit for controlling the actuator unit; and

a thermostat in ~~[[the]]~~ each air delivery zone for setting a desired temperature in the air delivery zone, the thermostat being in communication with the central control system to control the actuator unit and the source of air under pressure such that the valve admits air to the zone and blocks air from the zone, in order to achieve said desired temperature.